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(72) Inventor: **Braun, Hilarion**  
**Phoenix, Arizona (US)**

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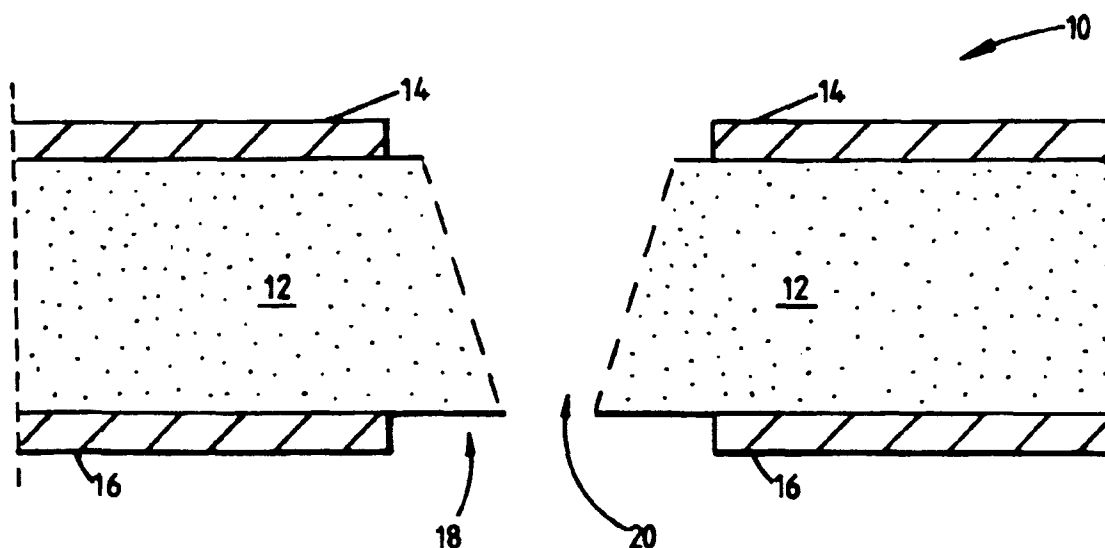
(74) Representative: **Hillier, Peter et al**  
**Reginald W. Barker & Co.,**  
**Chancery House,**  
**53-64, Chancery Lane**  
**London, WC2A 1QU (GB)**

(71) Applicant: **SCITEX DIGITAL PRINTING, Inc.**  
**Dayton, Ohio 45420-4099 (US)**

**(54) Composite nozzle plate**

(57) A method of fabricating a long array high density nozzle plate for an ink jet printhead provides mechanical and thermal stability. A polymer is retained against a single metal laminate, or can be constrained between metal laminates, to provide the mechanical

and thermal stability. Apertures are chemically etched in the one or more metal laminates. Subsequently, an axial aperture is laser ablated through a portion of the polymer layer which corresponds to the aperture through the laminates.

**FIG. 1****EP 0 743 184 A3**



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# EUROPEAN SEARCH REPORT

Application Number  
EP 96 30 3396

DOCUMENTS CONSIDERED TO BE RELEVANT			
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X	--- PATENT ABSTRACTS OF JAPAN vol. 017, no. 537 (M-1487), 28 September 1993 & JP 05 147223 A (MATSUSHITA ELECTRIC IND CO LTD), 15 June 1993, * abstract *	1-4	
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	* column 9, line 33 - column 10, line 38 * * column 14, line 15 - column 10, line 6 * * claims 1,2; figures 5-11,17,18 *		
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Place of search THE HAGUE		Date of completion of the search 12 May 1997	Examiner Didenot, B
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The present search report has been drawn up for all claims			
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